



Instructions to Authors:

Each year, this workshop is structured around: (1) Discussion Sessions, and (2) oral and poster presentations. These instructions provide some basic information for authors of oral and poster presentations.

Oral presentations generally are 20 minutes in duration, but can be significantly longer (or shorter) depending on the topic's scope. In an oral presentation, the author might preview the subject, and provide more details in an accompanying poster or computer demo. Poster presentations will be shown throughout the meeting, and will be the subject of the meeting's focus on the Monday afternoon. At that time, additional poster space will be made available for unscheduled, informal displays of maps, posters showing cartographic techniques, etc. This poster session, called the "Map Blast," combines the formal poster presentations with facilities for giving computer demos and informally displaying whatever you choose to bring to the meeting.

To improve the meeting's usefulness, and to provide some information to the larger community, we will publish in the months following the Workshop a Proceedings volume that contains a brief paper summarizing each oral and poster presentation. *For the paper, there are three options: (1) a standard-length paper, (2) a "one-pager", or (3) a paper compiled from Powerpoint slides (please see details below).*

The on-line version of the Proceedings volume and summary for past workshops are available at <http://ngmdb.usgs.gov/Info/dmt/>. If you have any questions about the instructions, or the content of your proposed paper, please contact Dave Soller (drsoller@usgs.gov or 703-648-6907).

PLEASE NOTE:

- If you want to offer an oral or poster presentation, please notify Dave Soller. **Include in your note:**
 - (1) list of authors and their affiliations,**
 - (2) title of presentation, and**
 - (3) a short "blurb" (1 sentence to 1 page in length) that describes the presentation.**
- We'll try to accommodate all requests, but it will become difficult as the meeting date approaches. If you are giving a poster presentation, please notify Dave as soon as possible, so that a poster board can be reserved.
- Shortly before the meeting, you'll receive a brief set of instructions for presenters.
- Papers are not due before the meeting. The publication schedule for the Proceedings will be discussed during the DMT workshop.

(1) Suggested topics:

- * Cartographic techniques for creating paper and PDF-format geologic maps from field notes, manuscript maps, and map databases,
- * Design and implementation of individual and corporate geologic map databases,
- * Migration of map data to new formats (for example, from Arc coverages to Geodatabase),
- * Scanning, delivery, and archiving of existing maps,
- * Information management and delivery (e.g., migrating data to modern formats, archiving field notes, including richly-attributed ancillary information with published databases, preparing maps for third-party visualization software [e.g., Google Earth]),
- * Preservation of unpublished scientific information,
- * The use of LIDAR for field work and map/database preparation,
- * 3-D databases and/or visualization techniques,
- * Geologic map data model implementation, and database management (your agency's data model, experience with NCGMP09, etc.),
- * Summary of activities related to the National Geologic Map Database project.

Because this is an informal, technical meeting, please consider for your presentation:

- 1) Background comments in support of techniques (methods, progress, problems, software, contractors, costs, etc.)
- 2) Technical details that you feel are unique or controversial.

Also, please see the online versions of DMT '97 - '13 for the range of topics presented in past years.

(2) When writing your paper, please:

- * Minimize jargon, and assume someone will read the paper in another state or agency, with a different background.
- * Describe the overall method or a specific aspect of that method succinctly, and support it with figures as appropriate.
- * Consider describing the geology to which this method is applied in your agency, and reflecting on whether the method is applicable to a wide range of geologic terranes, or limited to a specific geologic setting (e.g., flat-lying sedimentary rocks). Assume the reader doesn't know the geology or the constraints that a particular geologic terrane or mapping approach impose on the data capture method.
- * Consider these questions:
 - Why do you use this method?
 - Is it based on, or modified by, information learned from past DMT workshops or Proceedings?
 - What is your agency's objective for digital mapping?
 - What are your products?
 - Who uses your products, and for what purpose?
- * *Last but not least, WRITE CAREFULLY, and use the DMT template. Revisions to your manuscript cost time and money, so please submit a well-composed manuscript.*

(3) Papers:

PLEASE NOTE: *Increasingly, our schedules scarcely permit time to document our work in a published paper. But without this documentation, the value of these DMT workshops (especially for those who cannot attend) is greatly diminished – your colleagues both now and in the future would not have ready access to a cogent explanation of your techniques, accomplishments, and guidance. And so we strongly urge you to write a paper, whether or not you give a presentation. We offer three formats for these papers:*

After the meeting, please provide a digital copy of your posters and Powerpoint presentations, so they may be posted to the DMT Web site (e.g., <http://ngmdb.usgs.gov/Info/dmt/DMT13presentations.html>).

(A) The “traditional” DMT paper – If at all possible, please use this format for your paper. For examples, please peruse the published Proceedings – nearly all use this format. These papers are generally 5 pages or more in length, single-spaced. Longer submissions are encouraged. The use of figures and simple tables, supported by captions, is strongly recommended. If you presented a poster that supplements your oral presentation, you may choose to submit one paper that covers both. Please see the DMT_Template provided at <http://ngmdb.usgs.gov/Info/dmt/>.

(B) “One-pager” – While we continue to urge you to write a “full-length” paper, we recognize it may not be feasible. And so the “one-pager” is offered as an option – it can enable each of us to participate, and to go “on the record” ***whether or not you attend the meeting or choose to give a presentation.*** (The term “one-pager” is a generality – accompanied by screenshots, or lengthy paragraphs, it could easily be two or more pages in length.) The subject of these one-pagers could be a specific map, database, digital mapping technique, website, etc., OR it could be a broader subject, focusing on your agency's approach to some aspect of digital mapping or data management and dissemination.

Attendees could offer more than a single one-pager; and could bring their draft one-pagers to the meeting -- we'll make them available as handouts. After the meeting, the one-pagers will be posted to the DMT website, on the meeting's Presentations page (e.g., <http://ngmdb.usgs.gov/Info/dmt/DMT13presentations.html>).

The One-Pager format is:

- Title
- Author
- Contact info
- Paragraph or two, regarding the subject.
- URLs related to the subject (these are essential, because of the paper's brevity)
- Screenshots and/or figures, accompanied by explanatory caption (a picture(s) is worth a thousand words!)

(C) “Powerpoint” paper – As you know, some presentations convey most of the pertinent information in figures, diagrams, tables, and screenshots. In these cases, the paper might be most effectively designed around the Powerpoint slides that were presented. For example, the paper could include: (1) a traditional introductory section, followed by (2) a set of images from the Powerpoint presentation, each accompanied by a paragraph or two of narrative (essentially a lengthy, informative figure caption).

(4) Figures:

Figures **must** be contained in separate files, **not within the body of the paper**. Color figures are encouraged – a picture’s worth a thousand words, as they say. Please ensure that the caption adequately describes the figure – very often, those thousand words need a bit of context!

All figures should be properly sized for publication, according to these specifications:

- one-column maximum width is 3.25"
- two-column maximum width is 7", although somewhat smaller width seems appropriate for many figures (e.g., perhaps 5.5" – 6.5")
- figure height must not exceed 8"

Please ensure that the figure resolution is sufficient to print legibly at publication size (e.g., 72 dpi is generally not sufficient, whereas 150 or 300 dpi seems to work fine). In the paper, use a figure “call-out” (e.g., “(figure 1)”) where appropriate and place the captions at the end of the paper, under a section entitled “FIGURE CAPTIONS.” Please do NOT include the caption as part of the figure itself, especially if it’s in image format.

(5) Tables:

Please keep them simple, and editable (e.g., text is preferable to an image of a table). Simple tables may be contained within the body of the paper, with the formatting needed to properly display them. More complex tables should be included in a separate file, and may be provided as a Word or Illustrator file.

(6) Posters/computer demonstrations:

Poster boards are about 4x8 ft. We encourage you to size your posters to fit either within that space or within HALF of that space. When you register for the meeting, indicate your desire to give a poster presentation. If you have questions about the facilities for posters or computer demonstrations, please contact Dave at the email address provided below.

We look forward to your participation!

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